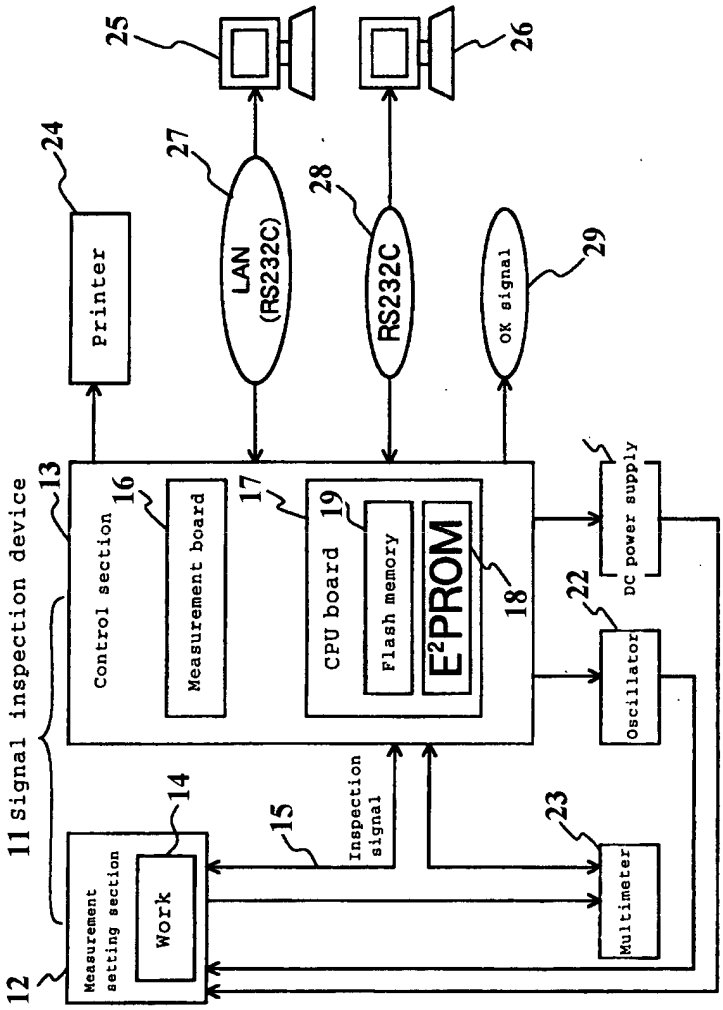
11 Signal inspection device
12
13
14
15
16
17
18
19
22
23
24
25
26
27
28
29
Measurement setting section
Work
Inspection signal
Control section
Measurement board
CPU board
Flash memory
E²PROM
Printer
LAN (RS232C)
RS232C
OK signal
DC power supply
Oscillator
Multimeter

FIG. 1

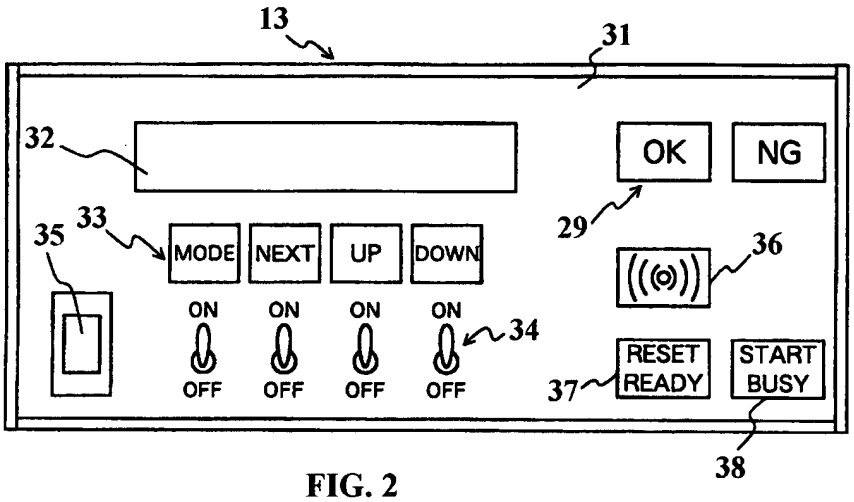
13
31
32
OK
NG
29
33
35
MODE
NEXT
UP
DOWN
36
ON
ON
ON
ON
34
OFF
OFF
OFF
OFF
RESET
READY
START
BUSY
37
38

FIG. 2

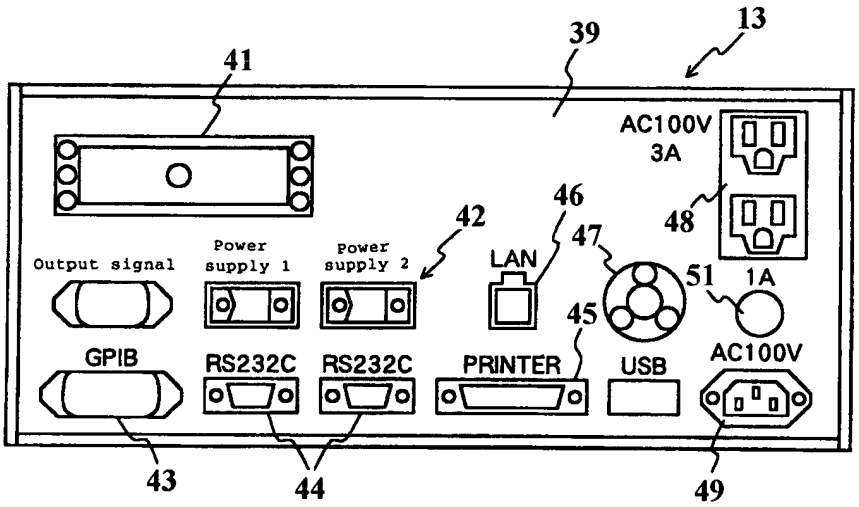
41
39
13
AC100V
3A
48
42
46
47
Output signal
Power
supply 1
Power
supply 2
LAN
51
1A
45
GPIB
RS232C
RS232C
PRINTER
USB
AC100V
43
44
49

FIG. 3

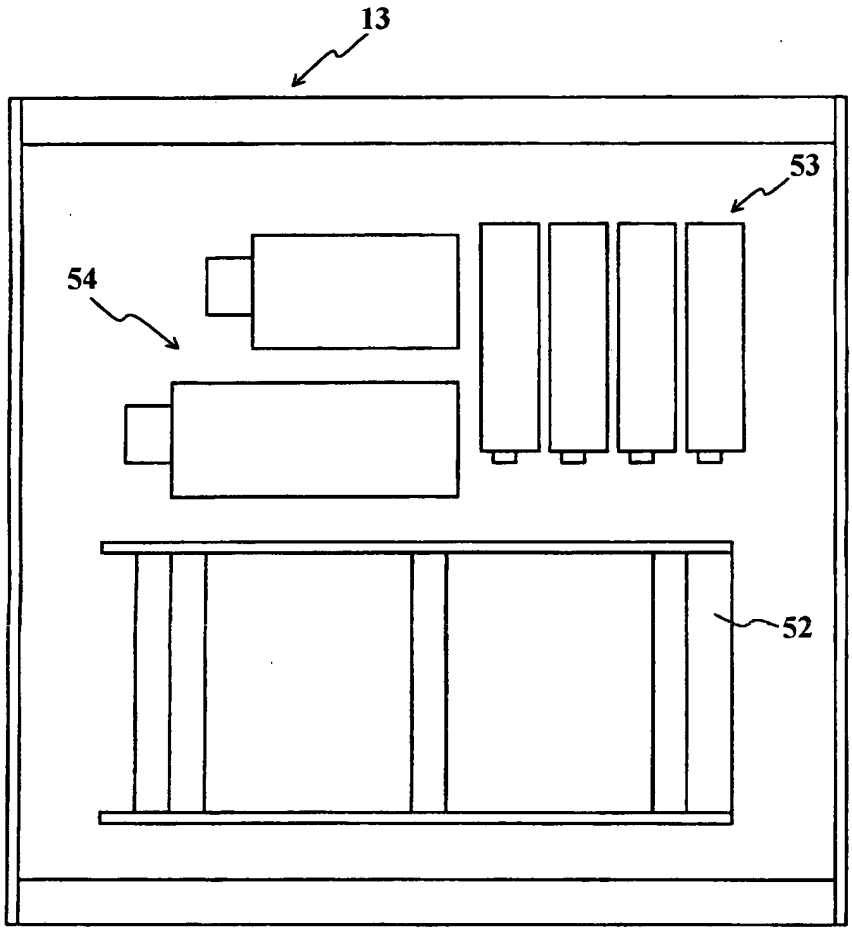

FIG. 4

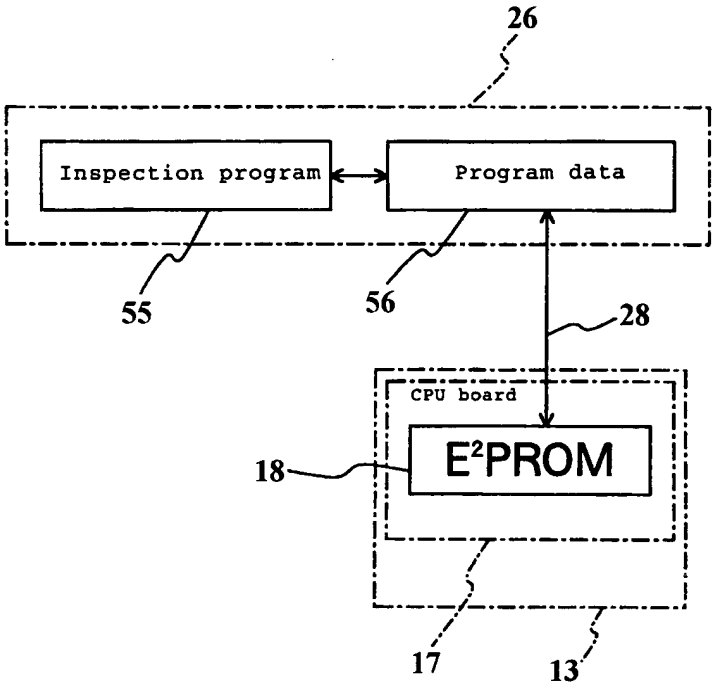
26
Inspection program
Program data
55
56
28
CPU board
E²PROM
18
17
13

FIG. 5

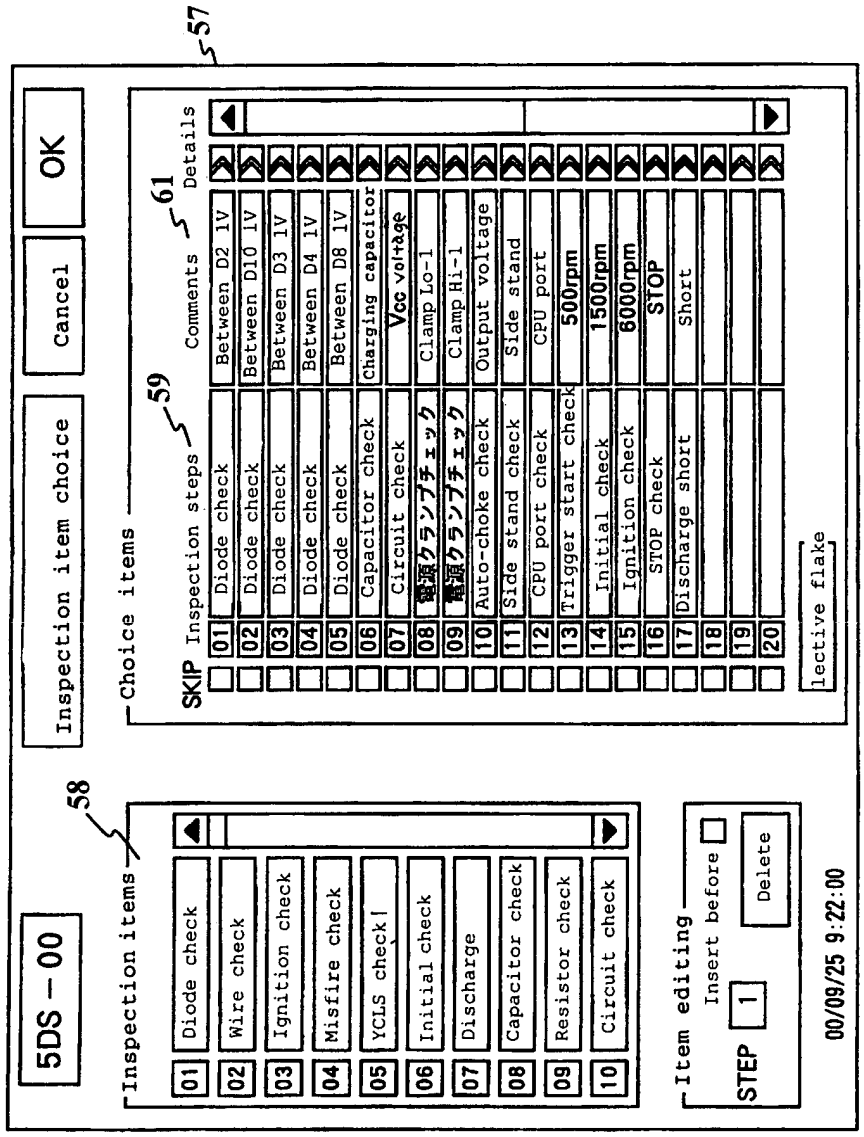
5DS-00
Inspection item choice
Cancel
OK
58
57
Inspection items
01 Diode check
02 Wire check
03 Ignition check
04 Misfire check
05 YCLS check!
06 Initial check
07 Discharge
08 Capacitor check
09 Resistor check
10 Circuit check
Item editing
Insert before
STEP 1
Delete
00/09/25 9:22:00
Choice items
59
61
SKIP Inspection steps
Comments
Details
01 Diode check Between D2 1V
02 Diode check Between D10 1V
03 Diode check Between D3 1V
04 Diode check Between D4 1V
05 Diode check Between D8 1V
06 Capacitor check Charging capacitor
07 Circuit check Vcc voltage
08 電源クランプチェック Clamp Lo-1
09 電源クランプチェック Clamp Hi-1
10 Auto-choke check Output voltage
11 Side stand check Side stand
12 CPU port check CPU port
13 Trigger start check 500rpm
14 Initial check 1500rpm
15 Ignition check 6000rpm
16 STOP check STOP
17 Discharge short Short
18
19
20
lective flake
Power supply clamp check

FIG. 6

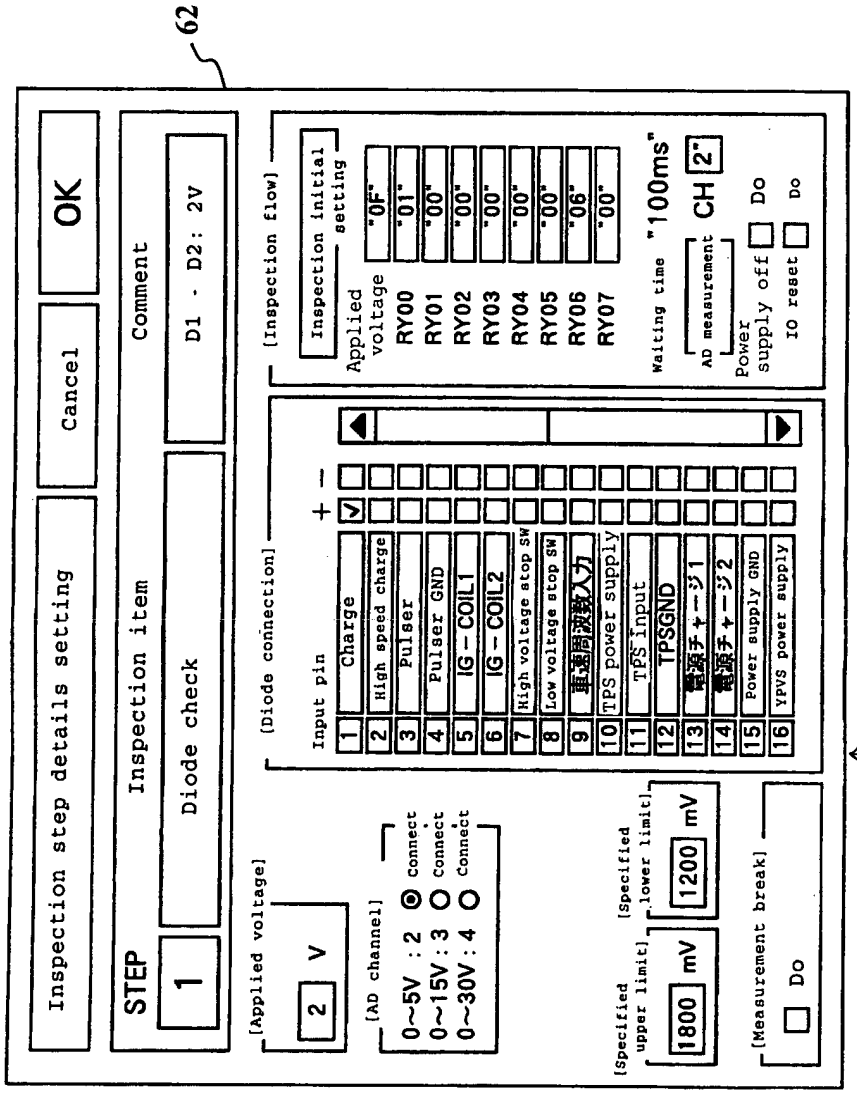
62
Inspection step details setting
Cancel
OK
STEP
Inspection item
Comment
1
Diode check
D1 - D2: 2V
[Applied voltage]
2
V
[AD channel]
0~5V : 2
0~15V : 3
0~30V : 4
connect
connect
connect
[Diode connection]
Input pin
+
-
1 Charge
2 High speed charge
3 Pulser
4 Pulser GND
5 IG - COIL1
6 IG - COIL2
7 High voltage stop SW
8 Low voltage stop SW
9 車速周波数入力
10 TPS power supply
11 TPS input
12 TPSGND
13 電源チャージ1
14 電源チャージ2
15 Power supply GND
16 VPVS power supply
[Specified upper limit]
1800 mV
[Specified lower limit]
1200 mV
[Measurement break]
Do
[Inspection flow]
Inspection initial setting
Applied voltage
RY00 "0F"
RY01 "01"
RY02 "00"
RY03 "00"
RY04 "00"
RY05 "00"
RY06 "06"
RY07 "00"
Waiting time "100ms"
AD measurement CH 2
Power supply off Do
IO reset Do
9 Vehicle speed frequency input
13 Power supply charge 1
14 Power supply charge 2

FIG. 7

	Inspection item	Inspection Non-inspection	Measurement break	revolution	Work power supply	Charge	Pulser	Pulser level	TPS	Comparator level vehicle speed	Trigger 1
1	Diode check	TRUE	FALSE	0	1	NONE	NONE	0	0	0	0
2	Diode check	TRUE	FALSE	0	1	NONE	NONE	0	0	0	0
3	Diode check	TRUE	FALSE	0	1	NONE	NONE	0	0	0	0
4	Diode check	TRUE	FALSE	0	1	NONE	NONE	0	0	0	0
5	Diode check	TRUE	FALSE	0	1	NONE	NONE	0	0	0	0
6	Capacitor check	TRUE	FALSE	0	0	NONE	NONE	0	0	0	0
7	Circuit check	TRUE	FALSE	0	14	NONE	NONE	0	0	0	0
8	Power supply clamp check	TRUE	FALSE	0	21	NONE	NONE	0	0	0	0
9	Power supply clamp check	TRUE	FALSE	0	27	NONE	NONE	0	0	0	0
10	Auto-choke check	TRUE	FALSE	0	14	NONE	NONE	0	0	0	0
11	Side stand check	TRUE	FALSE	0	14	DC	NONE	0	0	3	0
12	CPU port check	TRUE	FALSE	0	14	NONE	NONE	0	3	2.5	30
13	Trigger start check	TRUE	FALSE	500	14	ch_60	pu_pos60	5	1	0	30
14	Initial check	TRUE	FALSE	1500	14	ch_60	pu_pos60	20	1	0	30
15	Ignition check	TRUE	FALSE	6000	14	ch_60	pu_pos60	20	1	0	30
16	STOP check	TRUE	FALSE	2000	14	ch_60	pu_pos60	14	1	0	30
17	Discharge short	TRUE	FALSE	0	0	NONE	NONE	0	0	0	0

FIG. 8